

FACULTY OF COMPUTER SCIENCE & SOFTWARE ENGINEERING
UNIVERSITI MALAYSIA PAHANG

EZ ONLINE PRINTING SERVICES
(EZOPS)

NURSYAHIRMAN BIN A.RAHMAN
CB14110

A REPORT SUBMITTED IN FULFILMENT OF THE DEGREE OF
COMPUTER SCIENCE (SOFTWARE ENGINEERING)
WITH HONORS

SUPERVISOR:
DR. ZURIANI BINTI MUSTAFFA



STUDENTS DECLARATION

I hereby declare that the work in this thesis is based on my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously or concurrently submitted for any other degree at University Malaysia Pahang or any other institutions.

Full Name : NURSYAHIRMAN BIN A.RAHMAN
ID Number : CB 14110
Date : 30 NOVEMBER 2018



SUPERVISOR'S DECLARATION

I hereby declare that I have checked this project and in my opinion, this project is adequate in terms of scope and quality for the award of the degree of Bachelor of Computer Science (Software Engineering).

Full Name : DR. ZURIANI BINTI MUSTAFFA
Position : LECTURER
Date : 30 NOVEMBER 2018

ACKNOWLEDGEMENTS

I would like to express my gratitude and appreciation to all who gave me the support to complete this report. Special thanks to my supervisor Dr Zuriani Binti Mustaffa who help, give suggestions and encouragement, helped me in all time of fabrication process and in writing this report. Sincerely thanks for the time spent for reading and correction of all mistakes.

I would like to acknowledge with much appreciation of the crucial role of the staff in Computer Laboratory, who gave me a permission to use the lab in other to complete my project.

Many thanks to the all lecturer and supervisors who given their full effort in guiding me in achieving the goal as well as their encouragement to maintain my project in progress. My profound thanks go to all course mates, especially to my friends for spending their time in helping and giving their support whenever I need it in completing my project.

ABSTRACT

In this era, a lot of advancement in technology and websites already created to help people in their life. EZ Online Printing Services (EZOPS) is developed for the students in University Malaysia Pahang (UMP). Not just that, it is also can be use by the staffs and worker of University Malaysia Pahang (UMP). In the meantime, the printing shops still using the old system which student needs to queue and wait for a long time in the shops but not now. This will cause the printing shop to be crowded especially in the peak hour. Besides, they only needs to send their documents through the system and wait for it to be printed. As the result, students can use their time to studies or even hanging out with their friends doing outdoor activities. The result is important to achieve the objectives of the project.

ABSTRAK

Pada abad ini, banyak kemajuan dalam teknologi dan system sesawang yang telah dicipta untuk membantu masyarakat dalam kehidupan seharian mereka. EZ Online Printing Services (EZOPS) ini dibangunkan untuk pelajar Universiti Malaysia Pahang (UMP). Bukan sekadar itu, ianya juga boleh digunakan untuk kakitangan dan pekerja di Universiti Malaysia Pahang (UMP). Pada masa ini, kedai percetakan masih lagi mempunyai system yang lama iaitu pelajar perlu beratur dan menunggu lama di kedai tetapi kini tidak lagi. Hal ini menyebabkan kedai percetakan menjadi sesak terutamanya pada waktu puncak. Mereka hanya perlu menghantar dokumen mereka ke dalam system ini, dan menunggu ianya untuk disiap cetak. Hasilnya pelajar boleh menggunakan masa mereka beratur di kedai dengan perkara lebih berfaedah seperti mengulangkaji pelajaran ataupun beriadah bersama rakan. Hasil ini penting dalam mencapai tujuan-tujuan projek.

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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

EZ Online Printing Services is founded for a purpose to help the students of UMP especially who cannot afford to have their own printer to print their documents by using an online system. Based on the observations that have been done, a few problems are identified which need to be addressed.

Lack of printing shop can contribute to many problems especially when it involves students in university. Students will have to spend much time for just queuing which is not efficient since they can use that time to do something else. Virus spreading on their hardware such as pen drive and hard disk can be said as a common problem faced by the students when they go to print at the printing shop. All their documents are exposed to harmful viruses that can make the hardware become corrupted. Students especially fresh intake who do not own a transport also have their own problem. They have to walk far just to print their documents and went back to their hostel. If that was a public holiday and all these printing shop are closed, they have to find a public transport or rent a car to go outside UMP to print their documents. This will cost them more money to spend on.

Therefore, by developing this online printing service system, it may help to solve the highlighted problems. This online system will be based in UMP in order to saves time to deliver the document to the students after their documents have been printed. This system will be able to solve the queuing problems by not having to queuing physically since the students already in queue after sending their documents into the systems. Massive virus spread through hardware also can be avoided. This system will also be able to solve students problems who cannot afford to have their own transport by just submitting their documents into the system and wait to be printed.

1.2 PROBLEM STATEMENT

There are only a few of shops in UMP that provides printing services, which is good for students who cannot afford to buy their own printer. However, there are some problems with these printing shops.

Problems with the printing shops in UMP are they do not have enough PC or laptop even though there are several shops provide this printing services. Students of UMP have to spend a long time to queue up at the shop just to take their turn to use the computer and print. Sometimes they also have to spent longer time just for queuing especially at peak time such as in the afternoon and also when all students have the same due date to submit their assignment. All those time that use for queuing can be used by them to do other matters. These computers also sometimes do have problem which is not functioning while someone using it. This will cause the user have to wait again until the owner fix it. By using EZ Online Printing Services, they already make an 'online queuing' by send their documents into the website. So, they only need to wait for their document to be printed and can use their free time to do other tasks or activities rather than standing and queuing at a printing shop.

Too much usage with the computer also can cause virus or malware spreading through hardware and software. Especially the student's pen drive or hard disk that can easily exposed to the danger of the virus. Some of the virus are very harmful to their hardware and documents that if not be well secured and protected, can cause the documents exposed to be corrupted and their pen drive cannot be use again. When the students went back to their own PCs and laptops to use the pen drive, their computer will be effected by the viruses. Most of the students also do not know the proper way to delete those viruses and most of them also only use trial antivirus that only have limited functions compared to original one. Those PCs at the printing shop also are not scheduled to maintain and scanned for viruses. Due to limited number of staff, the owner of the shop was unable to do the

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